

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: A. Luchinskiy, *et al.*
Serial No.: Unassigned
Filed: Herewith
For: METHOD FOR PRODUCING
ELECTRICAL ENERGY
Group Art Unit: Unassigned
Examiner: Unassigned
Attorney Docket: 08889-02

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Date: September 4, 2003

By: *Prohili*

**STATEMENT OF FACTS IN SUPPORT OF PETITION TO MAKE SPECIAL BY
ACCELERATED EXAMINATION**

(37 C.F.R. § 1.102(c) AND M.P.E.P. § 708.02(V and VI))

Mail Stop Non-Fee Amendment
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I am the assignee of a substantial interest in the above-identified application and hereby make the following statements of facts in support of a Petition to Make Special by Accelerated Examination according to the rules set forth in M.P.E.P. section 708.02.

1. The above-identified application qualifies to be advanced out of turn for examination and to have this application be accorded "special" status based on the conditions set forth in M.P.E.P.

to have this application be accorded “special” status based on the conditions set forth in M.P.E.P. section 708.02, paragraph V “Environmental Quality” and paragraph VI “Energy.”

2. Specifically, M.P.E.P. section 708.02, paragraph V “Environmental Quality” states that the USPTO “will accord “special” status to all patent applications for inventions which materially enhance the quality of the environment of mankind by contributing to the restoration or maintenance of basic life-sustaining natural elements, i.e., air, water, and soil.”

3. Upon information and belief, the invention described and claimed in the above-identified application is a non-polluting method that uses renewable energy resources, specifically any solar and other thermal energy, to produce electrical power and can replace other sources of electrical energy generation such as gas, coal or nuclear power plants, which pollute the air, water and soil with both their power generating by-products such as exhaust gases and spent fuel rods, and the pollution created by the mining and processing of fuels, such as coal, uranium and natural gas used to fire such power plants.

4. M.P.E.P. section 708.02, paragraph VI “Energy” states that the USPTO “will, on petition, accord “special” status to all patent applications for inventions which materially contribute to (A) the discovery or development of energy resources, or (B) the more efficient utilization and conservation of energy resources. Examples of inventions in category (A) would be developments in fossil fuels (natural gas, coal, and petroleum), hydrogen fuel technologies, nuclear energy, solar energy, etc. Category (B) would include inventions relating to the reduction of energy consumption in combustion systems, industrial equipment, household appliances, etc.”

5. Upon information and belief, the invention described in this application falls within both category (A) and category (B) of M.P.E.P. section 708.02, paragraph VI, because this invention qualifies as a new “development in energy resources” by generating electricity through the non-polluting transformation of solar energy and/or thermal energy in accordance with category (A) and because this invention relates to “the reduction of energy consumption in combustion systems, industrial equipment, household appliances, etc.” due to its potential uses in

cogeneration in accordance with category (B).

6. Upon information and belief, this invention is a very scalable technology that supports the development of both small and large (utility scale) non-polluting electricity generating plants.

7. Upon information and belief, this invention has the potential to produce electricity in many geographic regions of the world that to date cannot use solar powered plants efficiently because it is driven by thermal energy.

8. Upon information and belief, this invention has the ability to make more efficient any existing or future combustion system or equipment, which produces waste heat in any form, because it has the potential to produce electricity from waste thermal energy. Combustion systems that are a part of electrical energy generation, which would incorporate this invention, would produce more electrical energy with no increase in fuel consumption. Likewise, any equipment that generates heat or any industrial process that uses heat could also use this invention to produce additional electrical energy from waste heat, thereby reducing demand for other fuels.

Dated: _____

9/3/3



Mr. James D. Carr